Gulf of Mexico Harmful Algal Bloom Bulletin

11 December 2007

NOAA Ocean Service

NOAA Satellites and Information Service

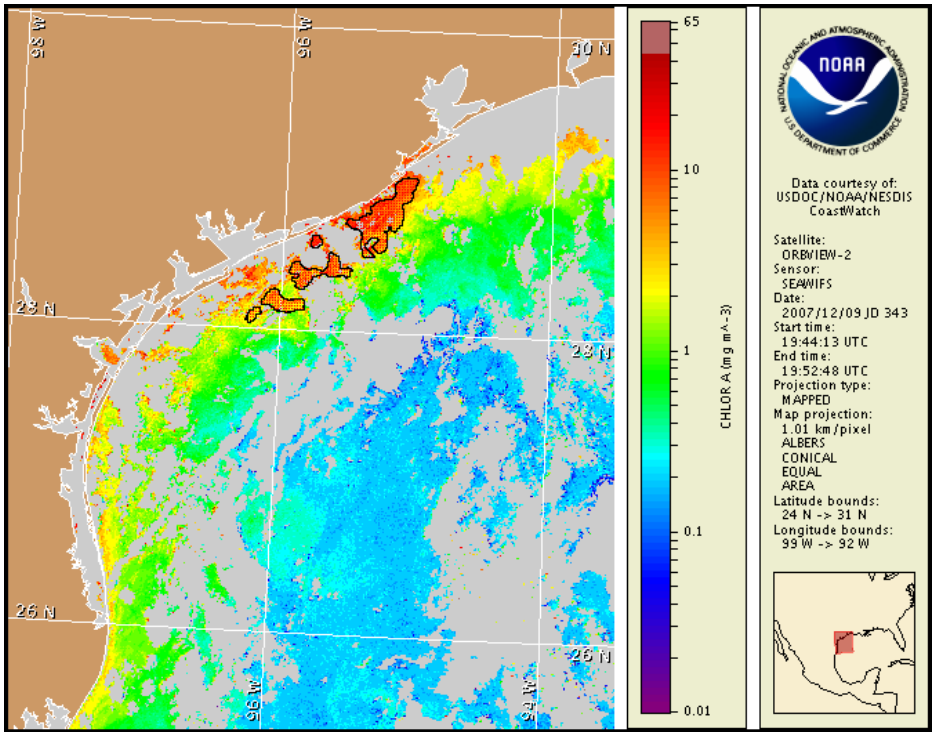
Last bulletin: December 4, 2007

Conditions Report

There have been no recent reports of red tide. No impacts are expected along the Texas coast.

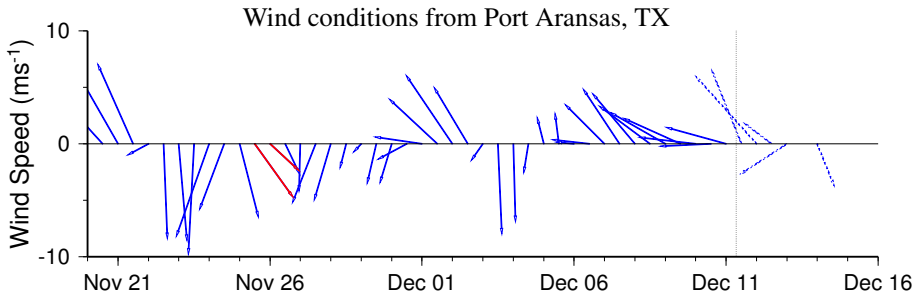
Analysis

High chlorophyll levels have been observed (8-20 μg/l) from Galveston Bay (29°5'11.18"N, 95°6'14.6"W) south to Matagorda Bay (28°16'57.53"N, 96°27'9.38"W). There have been no recent reports of red tide. -- Nielsen, Stumpf



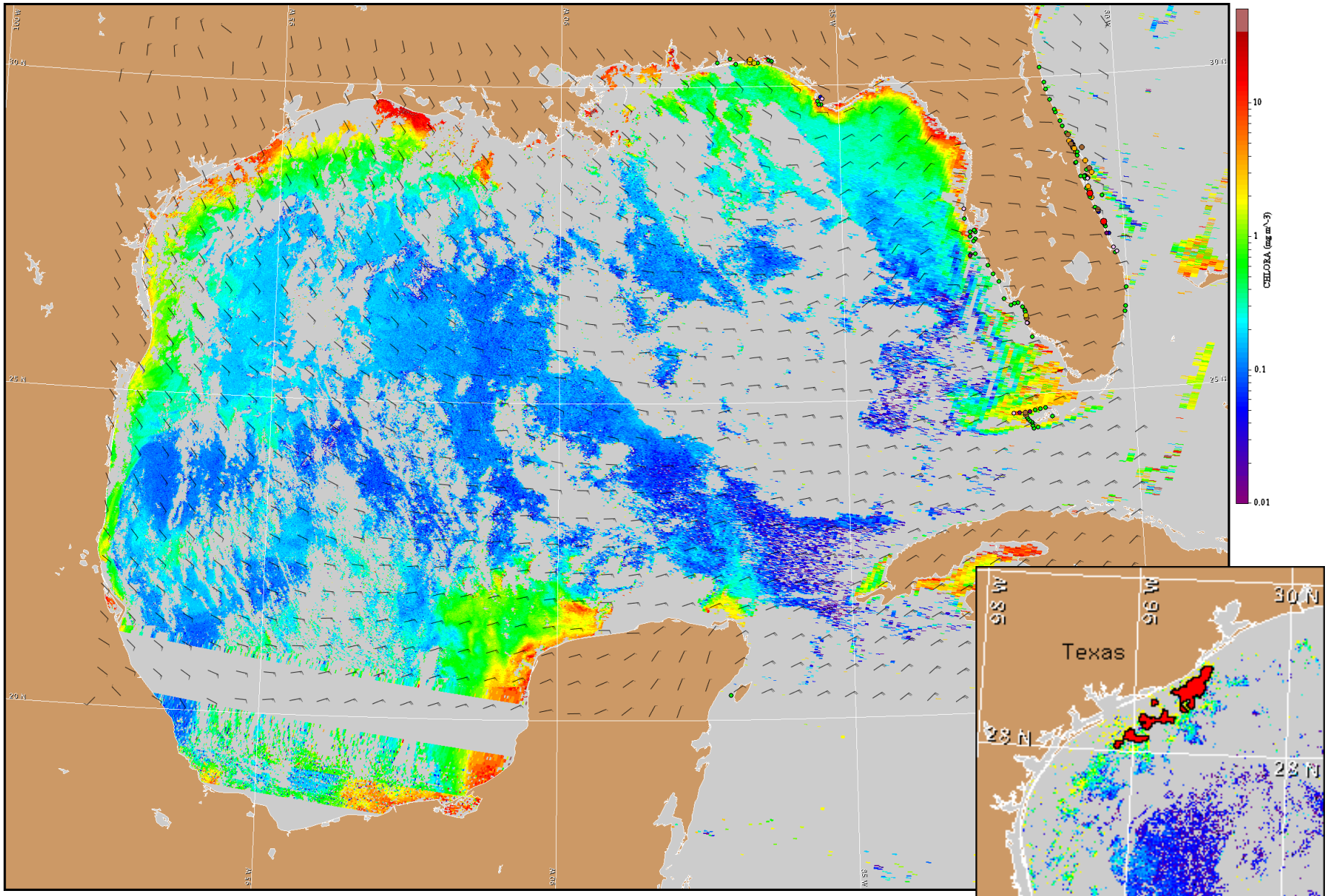
Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from December 3 to 9 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

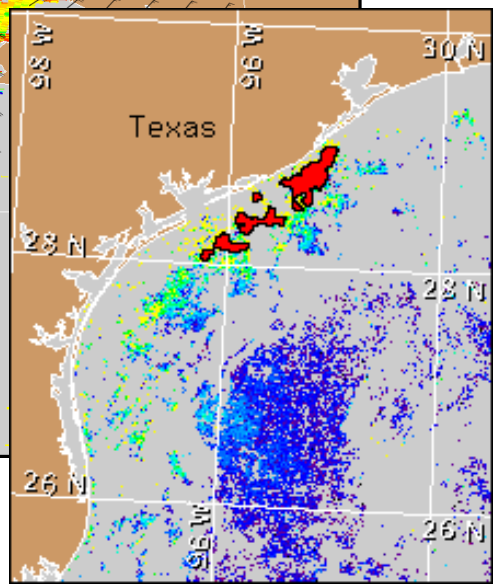


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

On Tuesday night, south wind around 20 knots. On Wednesday, southeast winds from 10 to 20 knots. Wednesday night winds will shift to northeast at 10 to 15 knots and then change to northly winds at 15 to 20 knots after midnight. Thursday through Saturday will continue northerly winds at 15 to 20 knots.



Satellite chlorophyll image and forecast winds for December 12, 2007 06Z with Cell concentration sampling data from December 3 to 9 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).